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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/623,737
Filing Date	August 11, 2003
First Named Inventor	Ellen Myra Dobrusin
Art Unit	1624
Examiner Name	Tamthom Ngo Truong
Attorney Docket Number	PC17310

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Cite No. ¹	DOCUMENT NUMBER Number-Kind Code²	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		2,949,466	08-16-1960	M. L. Hoefle, et al.	
		3,912,723	10-14-1975	M. W. Miller	
		3,939,084	02-17-1976	J. D. Sullivan	
		4,425,346	01-10-1984	M. Horlington	
		4,886,807	12-12-1989	N. Kitamura, et al.	
		6,084,095	07-04-2000	A. J. Bridges, et al.	
		6,150,373	11-21-2000	W. Harris, et al.	

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Cite No. ¹	Foreign Patent Document Country Code³ Number⁴ Kind Code⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁶
		WO 96/13262	05-09-1996	W. J. Thompson, et al.		
		JP 11-158180 (Patent Application)	06-15-1999	Masahiro Uehara		
		WO 99/61444	12-02-1999	E. M. Dobrusin, et al.		
		WO 00/24744	05-04-2000	W. Harris, et al.		
		WO 01/29041 A1	04-26-2001	J. P. Dunn, et al.		
		WO 01/29042 A1	04-26-2001	J. P. Dunn, et al.		
		WO 01/64679 A1	09-07-2001	J. L. Adams, et al.		

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/Tamthom Truong/

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		ADACHI, K., "Synthesis of Orcinol Monomethyl Ether," <i>Memoirs of the Osaka Institute of Technology, Series A</i> , 1983, 33-42, vol. 28, no. 1.	
		CAPPUCCINO, J., et al., "Growth Inhibition of <i>Clostridium fesi</i> by Carcinostatic Purine and Pyrimidine Analogs – I. Effect of Medium on Growth Inhibition," <i>Cancer Research</i> , 1964, 1243-1248, vol. 24, no. 7.	
		CHATTERJEE, S., et al., "Synthesis of Some 4-Oxy & 2:4-Dioxypyrimido-(4,5-d)-pyrimidines," <i>Journal of Scientific & Industrial Research</i> , 1958, 63-70, vol. 17.	
		CHATTERJEE, S., et al., "Synthesis of Some Pyrimido(4,5-d)Pyrimidines as Potential Purine Antagonists," <i>Journal of Scientific & Industrial Research</i> , 1959, 272-278, vol. 18.	
		DEVI, N., et al., "Synthesis of Pyrimido [4,5-d] Pyrimidines as Antifungal Agents," <i>Indian Journal of Heterocyclic Chemistry</i> , 1998, 193-196, vol. 7.	
		EVERS, R., et al., "Zum Reaktionsverhalten der Thio-bis-formamidine; Versuche zur Synthese von Pyrimidino[4,5-d]pyrimidin-derivaten," <i>Z. Chem.</i> , 1980, 412-413, vol. 20.	

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		GRABOYES, H., et al, "Pteridines. X. Some Pyrimidopyrimidine Isomers of Triamterene," <i>Pteridines</i> , 1968, 568-573, vol. 11.	
		GROHE, K., et al., "Synthese und Reaktionen von Pyrimido[4,5-d]pyrimidinen," <i>Liebigs Ann. Chem.</i> , 1974, 2066-2073.	
		GULEVSKAYA, A., et al., "Purines, Pyrimidines, and Condensed Systems Based on these Compounds," <i>Chemistry of Heterocyclic Compounds</i> , 1994, 1083-1086, vol. 30, no. 9.	
		GULEVSKAYA, A., et al., "Purines, Pyrimidines, and Condensed Systems Based on these Compounds," <i>Chemistry of Heterocyclic Compounds</i> , 1994, 1087-1091, vol. 30, no. 9.	
		HIROTA, K., et al., "A Facile Synthesis of 7-Substituted Pyrimido[4,5-d]-pyrimidine-2,4-diones," <i>Synthesis</i> , 1984, 589-590, vol. 1984, no. 7.	
		HIROTA, K., et al., "Novel Ring Transformations of 5-Cyanouracils into 2-Thiocytosines, 2,4-Diaminopyrimidines, and Pyrimido[4,5-d]pyrimidines by the Reaction with Thioureas and Guanidines," <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 1990, 123-128, vol. 13.	

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		MARSH, A., et al, "Self-Complementary Hydrogen Bonding Heterocycles Designed for the Enforced Self-Assembly into Supramolecular Macrocycles," <i>Chemical Communications</i> , 1996, 1527-1528, no. 13.	
		MASQUELIN, T., et al., "A Novel Solution- and Solid-Phase Approach to 2,4,5-Tri- and 2,4,5,6-Tetra-substituted Pyrimidines and Their Conversion into Condensed Heterocycles," <i>Helvetica Chimica Acta</i> , 1998, 646-660, vol. 81, no. 4.	
		REWCASTLE, G. W., et al., "Tyrosine Kinase Inhibitors. 5. Synthesis and Structure-Activity Relationships for 4-[(Phenylmethyl)amino]- and 4-(Phenylamino)quinazolines as Potent Adenosine 5'-Triphosphate Binding Site Inhibitors of the Tyrosine Kinase Domain of the Epidermal Growth Factor Receptor," <i>Journal of Medicinal Chemistry</i> , 1995, 3482-3487, vol. 38, no. 18.	
		REWCASTLE, G. W., et al., "Tyrosine Kinase Inhibitors. 10. Isomeric 4-[(3-Bromophenyl)amino]pyrido[d]-pyrimidines Are Potent ATP Binding Site Inhibitors of the Tyrosine Kinase Function of the Epidermal Growth Factor Receptor," <i>Journal of Medicinal Chemistry</i> , 1996, 1823-1835, vol. 39, no. 9.	
		SRIVASTAVA, S. K., et al., "A Solid Phase Approach to Substituted Pyrimidines and Their Conversion into Condensed Heterocycles for Potential Use in Combinatorial Chemistry," <i>Combinatorial Chemistry & High Throughput Screening</i> , 1999, 33-37, vol. 2, no. 1.	
		TAYLOR, E., et al, "Pyrimido [4,5-d]Pyrimidines. Part I," <i>Journal of the American Chemical Society</i> , 1960, 5711-5718, vol. 82, no. 21.	

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		TOMINAGA, Y., et al., "Synthesis of Pyrimido[4,5-d]Pyrimidines," <i>Heterocycles</i> , 1979, 503-504, vol. 12. no. 4.	
		TOMINAGA, Y., et al., "Reaction of 6-Aminouracils with Ketenethioacetals," <i>Chemical and Pharmaceutical Bulletin</i> , 1984, 122-129, vol. 32, no. 1.	
		WAMHOFF, H., et al, "Pyrimido[4,5-d]Pyrimidines, Pyrimido[4',5':4,5]Pyrimido[6,1-a]-Azepines, and an Imidazo[5,1-f][1,2,4]Triazine by Three Component Reaction," <i>Heterocycles</i> , 1993, 1055-1066, vol. 35, no. 2.	

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